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U.S. patents, U.S. patent applications, and other publications by David Johnston, Vijay Singh, Steven Eckhoff, Kevin Hicks, and Robert Moreau may be relevant to the prosecution of U.S. Patent Application Number 10/615,494, "Grain Fractionation" by Doug van Thorre.

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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0016525 A1****Thorre**(43) **Pub. Date: Jan. 27, 2005**(54) **GRAIN FRACTIONATION**(52) **U.S. Cl. 127/68**(76) **Inventor: Doug Van Thorre, Minneapolis, MN
(US)**(57) **ABSTRACT**

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The present invention includes a method for extracting protein, oil and starch from grain. The method includes: Providing kernels or seeds comprising a germ and pericarp comprising protein, oil, and starch; Steeping the kernels or seeds in a steeping reactor for a time effective to soften the kernels and seeds; Milling the steeped corn kernels to separate the germ from the starch/pericarp forming a germ stream and a starch/pericarp stream; Subjecting the germ to rapid pressurization/depressurization in order to extract oil and protein from the germ; and separating the starch from the pericarp.

(21) **Appl. No.: 10/615,494**(22) **Filed: Jul. 8, 2003****Publication Classification**(51) **Int. Cl.⁷ C08B 30/00**